

=> s phospholipase? and dna
L1 7950 PHOSPHOLIPASE? AND DNA

=> dup rem l1
PROCESSING IS APPROXIMATELY 20% COMPLETE FOR L1
PROCESSING IS APPROXIMATELY 36% COMPLETE FOR L1
PROCESSING IS APPROXIMATELY 57% COMPLETE FOR L1
PROCESSING IS APPROXIMATELY 92% COMPLETE FOR L1
PROCESSING COMPLETED FOR L1
L2 5233 DUP REM L1 (2717 DUPLICATES REMOVED)

=> s Svetlana gramatikova/au
L3 0 SVETLANA GRAMATIKOVA/AU

=> s gramatikova Svetlana/au
L4 9 GRAMATIKOVA SVETLANA/AU

=> dup rem l4
PROCESSING COMPLETED FOR L4
L5 8 DUP REM L4 (1 DUPLICATE REMOVED)

=> d l5 1-8 ibib ab

L5 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:431479 HCAPLUS
DOCUMENT NUMBER: 142:478001
TITLE: Identification, cloning and sequences of
phospholipases from environmental sources and their
use in oil degumming and other industrial methods
INVENTOR(S): Gramatikova, Svetlana; Hazlewood, Geoff;
Lam, David; Barton, Nelson R.
PATENT ASSIGNEE(S): Diversa Corporation, USA
SOURCE: U.S. Pat. Appl. Publ., 227 pp., Cont.-in-part of U.S.
Ser. No. 421,654.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005108789	A1	20050519	US 2004-796907	20040308
WO 2003089620	A2	20031030	WO 2003-US12556	20030421
WO 2003089620	A3	20041014		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2004005604	A1	20040108	US 2003-421654	20030421
AU 2005221136	A1	20050922	AU 2005-221136	20050308
CA 2559060	AA	20050922	CA 2005-2559060	20050308
WO 2005086900	A2	20050922	WO 2005-US7908	20050308
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
 MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2002-374313P P 20020419
 US 2003-421654 A2 20030421
 WO 2003-US12556 A 20030421
 US 2004-796907 A 20040308
 WO 2005-US7908 W 20050308

AB The invention provides novel polypeptides having phospholipase activity, including, e.g., phospholipase A, B, C and D activity, patatin activity, lipid acyl hydrolase (LAH) activity, nucleic acids encoding them and antibodies that bind to them. The nucleotide sequences and the encoded amino acid sequences of 70 phospholipases from environmental sources are provided. Computer systems and programs (including exemplary BLAST program) for sequence identification are disclosed. Industrial methods, e.g., oil degumming, and products comprising use of these phospholipases are also provided.

L5 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:333854 HCAPLUS
 DOCUMENT NUMBER: 140:351710
 TITLE: Proteases from environmental sources, nucleic acids encoding them and methods for making and using them
 INVENTOR(S): Cayouette, Michelle; Hansen, Connie Jo; McClure, Amy; Sun, May; Gramatikova, Svetlana; Dycaico, Mark; Barton, Nelson; Stege, Justin; Aboushadi, Nahla
 PATENT ASSIGNEE(S): Diversa Corporation, USA
 SOURCE: PCT Int. Appl., 470 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004033668	A2	20040422	WO 2003-US32819	20031010
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2501645	AA	20040422	CA 2003-2501645	20031010
AU 2003287105	A1	20040504	AU 2003-287105	20031010
BR 2003014558	A	20050809	BR 2003-14558	20031010
EP 1578935	A2	20050928	EP 2003-777629	20031010
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006516889	T2	20060713	JP 2005-501186	20031010
US 2006259995	A1	20061116	US 2006-530643	20060407
PRIORITY APPLN. INFO.:			US 2002-418467P P 20021010	
			US 2003-471423P P 20030516	
			WO 2003-US32819 W 20031010	

AB The invention is directed to 90 polypeptides having protease activity, polynucleotides encoding the polypeptides, and methods for making and using these polynucleotides and polypeptides. Genomic DNA was isolated from environmental microorganisms, archeabacteria, or Cochliobolus heterostrophus strain C4 (ATCC 488331), and genes encoding proteases

identified by sequence homol. searching and std. proteolytic assays. The polypeptides of the invention can be used in a variety of diagnostic, therapeutic, and industrial contexts. The polypeptides of the invention can be used as, e.g., an additive for a detergent, for processing foods and for chem. synthesis utilizing a reverse reaction. Addnl., the polypeptides of the invention can be used in food processing, brewing, bath additives, alc. prodn., peptide synthesis, enantioselectivity, hide prepn. in the leather industry, waste management and animal degrdn., silver recovery in the photog. industry, medical treatment, silk degumming, biofilm degrdn., biomass conversion to ethanol biodefense, antimicrobial agents and disinfectants, personal care and cosmetics, biotech reagents, in increasing starch yield from corn wet milling and pharmaceuticals such as digestive aids and anti-inflammatory (anti-phlogistic) agents.

L5 ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:856056 HCAPLUS

DOCUMENT NUMBER: 139:347485

TITLE: Identification, cloning and sequences of phospholipases from environmental sources and their use in oil degumming and other industrial methods

INVENTOR(S): Gramatikova, Svetlana; Hazlewood, Geoff;

Lam, David; Barton, Nelson

PATENT ASSIGNEE(S): Diversa Corporation, USA

SOURCE: PCT Int. Appl., /281 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003089620	A2	20031030	WO 2003-US12556	20030421
WO 2003089620	A3	20041014		
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2481411	AA	20031030	CA 2003-2481411	20030421
AU 2003243157	A1	20031103	AU 2003-243157	20030421
EP 1497418	A2	20050119	EP 2003-747055	20030421
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005523019	T2	20050804	JP 2003-586333	20030421
CN 1659276	A	20050824	CN 2003-813594	20030421
BR 2003009391	A	20051025	BR 2003-9391	20030421
US 2005108789	A1	20050519	US 2004-796907	20040308
PRIORITY APPLN. INFO.:			US 2002-374313P	P 20020419
			US 2003-421654	A2 20030421
			WO 2003-US12556	W 20030421

AB The invention provides novel polypeptides having phospholipase activity, including, e.g., phospholipase A, B, C and D activity, patatin activity, lipid acyl hydrolase (LAH) activity, nucleic acids encoding them and antibodies that bind to them. The nucleotide sequences and the encoded amino acid sequences of 53 phospholipases from environmental sources are provided. Computer systems and programs (including exemplary BLAST program) for sequence identification are disclosed. Industrial methods, e.g., oil degumming, and products comprising use of these phospholipase

are also provided.

L5 ANSWER 4 OF 8 MEDLINE on STN DUPLICATE 1
ACCESSION NUMBER: 2002622271 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12379355
TITLE: Pyridoxal-5'-phosphate-dependent catalytic antibodies.
AUTHOR: Gramatikova Svetlana; Mouratou Barbara; Stetefeld
Jorg; Mehta Perdeep K; Christen Philipp
CORPORATE SOURCE: Biochemisches Institut der Universitat Zurich,
Winterthurerstrasse 190, CH-8057, Zurich, Switzerland.
SOURCE: Journal of immunological methods, (2002 Nov 1) Vol. 269,
No. 1-2, pp. 99-110. Ref: 35
Journal code: 1305440. ISSN: 0022-1759.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200212
ENTRY DATE: Entered STN: 17 Oct 2002
Last Updated on STN: 18 Dec 2002
Entered Medline: 17 Dec 2002

AB Strategies for expanding the catalytic scope of antibodies include the incorporation of inorganic or organic cofactors into their binding sites. An obvious choice is pyridoxal-5'-phosphate (PLP), which is probably the most versatile organic cofactor of enzymes. Monoclonal antibodies against the hapten N(alpha)-(5'-phosphopyridoxyl)-L-lysine, a stable analog of the covalent coenzyme-substrate adducts were screened by a competition ELISA for binding of the PLP-amino acid Schiff base adduct. The Schiff base with its C4'-N alpha double bond is, in contrast to the hapten, a planar compound and is an obligatory intermediate in all PLP-dependent reactions of amino acids. This highly discriminating screening step eliminated all but 5 of 24 hapten-binding antibodies. The five remaining antibodies were tested for catalysis of the PLP-dependent alpha,beta-elimination reaction of beta-chloroalanine. Antibody 15A9 complied with this selection criterion and catalyzed in addition the cofactor-dependent transamination reaction of hydrophobic D-amino acids and oxo acids ($k(\text{cat}) = 0.42 \text{ min}^{-1}$ with D-alanine at 25 degrees C). Homology modeling together with alanine scanning yielded a 3D model of Fab 15A9. The striking analogy between antibody 15A9 and PLP-dependent enzymes includes the following features: (1) The binding sites accommodate the planar coenzyme-amino acid adduct. (2) The bond at C alpha to be broken lies together with the C alpha-N bond in a plane orthogonal to the plane of coenzyme and imine bond. (3) The alpha-carboxylate group of the substrate is bound by an arginine residue. (4) The coenzyme-substrate adduct assumes a cisoid conformation. (5) PLP markedly contributes to catalytic efficiency, being a $10(4)$ times more efficient amino group acceptor than pyruvate. The protein moiety, however, ensures reaction as well as substrate specificity, and further accelerates the reaction (in 15A9 $k(\text{cat}(\text{Ab} \times \text{PLP})) / k(\text{cat}(\text{PLP})) = 5 \times 10(3)$). The analogies of antibody 15A9 with PLP-dependent enzymes suggest that the selection criteria in the screening protocol were similar to those that have been operative in the molecular evolution of enzyme-assisted pyridoxal catalysis.

L5 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:732267 HCAPLUS
DOCUMENT NUMBER: 136:133143
TITLE: Downregulation of transforming growth factor .beta. as
therapeutic approach for brain tumors
AUTHOR(S): Fakhrail, Habib; Gramatikova, Svetlana;
Safaei, Rohangiz
CORPORATE SOURCE: Adv. Biotherapies, San Diego, CA, USA
SOURCE: Brain Tumor Immunotherapy (2001), 289-305. Editor(s):
Liau, Linda M. Humana Press Inc.: Totowa, N. J.
CODEN: 69BWYU

DOCUMENT TYPE: Conference; General Review
LANGUAGE: English
AB A review explores the possibility of using transforming growth factor (TGF)-.beta. antisense gene therapy in the treatment of cancer. Mechanisms such as TGF-.beta. signaling, the stage-dependent effect of TGF-.beta. on growth inhibition or stimulation, and the role of TGF-.beta. in the suppression of the host immunity are discussed.
REFERENCE COUNT: 99 THERE ARE 99 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:145212 HCAPLUS
DOCUMENT NUMBER: 132:319178
TITLE: RNA Cleavage by a DNA Enzyme with Extended Chemical Functionality
AUTHOR(S): Santoro, Stephen W.; Joyce, Gerald F.; Sakthivel, Kandasamy; Gramatikova, Svetlana; Barbas, Carlos F., III
CORPORATE SOURCE: Departments of Chemistry and Molecular Biology and the Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SOURCE: Journal of the American Chemical Society (2000), 122(11), 2433-2439
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB In vitro selection techniques were applied to the development of a DNA enzyme that contains three catalytically essential imidazole groups and catalyzes the cleavage of RNA substrates. Nucleic acid libraries for selection were constructed by polymerase-catalyzed incorporation of C5-imidazole-functionalized deoxyuridine in place of thymidine. Chem. synthesis was used to define a minimized catalytic domain composed of only 12 residues. The catalytic domain forms a compact hairpin structure that displays the three imidazole-contg. residues. The enzyme can be made to cleave RNAs of almost any sequence by simple alteration of the two substrate-recognition domains that surround the catalytic domain. The enzyme operates with multiple turnover in the presence of micromolar concns. of Zn²⁺, exhibiting satn. kinetics and a catalytic rate of >1 min⁻¹. The imidazole-contg. DNA enzyme, one of the smallest known nucleic acid enzymes, combines the substrate-recognition properties of nucleic acid enzymes and the chem. functionality of protein enzymes in a mol. that is small, yet versatile and catalytically efficient.
REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:269139 HCAPLUS
DOCUMENT NUMBER: 128:280124
TITLE: Aldolase Antibodies of Remarkable Scope
AUTHOR(S): Hoffmann, Torsten; Zhong, Guofu; List, Benjamin; Shabat, Doron; Anderson, James; Gramatikova, Svetlana; Lerner, Richard A.; Barbas, Carlos F., III
CORPORATE SOURCE: Skaggs Institute for Chemical Biology and the Department of Molecular Biology, Scripps Research Institute, La Jolla, CA, 92037, USA
SOURCE: Journal of the American Chemical Society (1998), 120(12), 2768-2779
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB This paper describes the substrate specificity, synthetic scope, and efficiency of aldolase catalytic antibodies 38C2 and 33F12. These

antibodies use the enamine mechanism common to the natural Class I aldolase enzymes. Substrates for these catalysts, 23 donors and 16 acceptors, have been identified. The aldol acceptor specificity is expected to be much broader than that defined here since all aldehydes tested, with the exception of polyhydroxylated aldehydes, were substrates for the antibodies. 38C2 and 33F12 have been shown to catalyze intermol. ketone-ketone, ketone-aldehyde, aldehyde-ketone, and aldehyde-aldehyde aldol addn. reactions and in some cases to catalyze their subsequent dehydration to yield aldol condensation products. Substrates for intramol. aldol reactions have also been defined. With acetone as the aldol donor substrate a new stereogenic center is formed by attack on the si-face of the aldehyde with ee's in most cases exceeding 95%. With hydroxyacetone as the donor substrate, attack occurs on the re-face, generating an .alpha.,.beta.-dihydroxy ketone with two stereogenic centers of the .alpha.-syn configuration in 70 to >98% ee. With fluoroacetone donor reactions, the major product is a syn .alpha.-fluoro-.beta.-hydroxy ketone with 95% ee. Studies of retroaldol reactions demonstrate that the antibodies provide up to 108-fold enhanced efficiency relative to simple amine-catalyzed reactions.

REFERENCE COUNT: 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:1885 HCAPLUS

DOCUMENT NUMBER: 128:164289

TITLE: Immune versus natural selection: antibody aldolases with enzymic rates but broader scope

AUTHOR(S): Barbas, Carlos F., III; Heine, Andreas; Zhong, Guofu; Hoffmann, Torsten; Gramatikova, Svetlana; Bjornestedt, Robert; List, Benjamin; Anderson, James; Stura, Enrico A.; Wilson, Ian A.; Lerner, Richard A.

CORPORATE SOURCE: Skaggs Inst. Chem. Biol., La Jolla, CA, 92037, USA
SOURCE: Science (Washington, D. C.) (1997), 278(5346), 2085-2092

CODEN: SCIEAS; ISSN: 0036-8075

PUBLISHER: American Association for the Advancement of Science

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Structural and mechanistic studies show that when the selection criteria of the immune system are changed, catalytic antibodies that have the efficiency of natural enzymes evolve, but the catalytic antibodies are much more accepting of a wide range of substrates. The catalytic antibodies were prep'd. by reactive immunization, a process whereby the selection criteria of the immune system are changed from simple binding to chem. reactivity. This process yielded aldolase catalytic antibodies that approximated the rate acceleration of the natural enzyme used in glycolysis. Unlike the natural enzyme, however, the antibody aldolases catalyzed a variety of aldol reactions and decarboxylations. The crystal structure of one of these antibodies identified the reactive lysine residue that was selected in the immunization process. This lysine is deeply buried in a hydrophobic pocket at the base of the binding site, thereby accounting for its perturbed pKa.

REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 13:11:36 ON 20 NOV 2006)

FILE 'MEDLINE, HCAPLUS, EMBASE' ENTERED AT 13:11:58 ON 20 NOV 2006

L1 7950 S PHOSPHOLIPASE? AND DNA

L2 5233 DUP REM L1 (2717 DUPLICATES REMOVED)

L3 0 S SVETLANA GRAMATIKOVA/AU

L4 9 S GRAMATIKOVA SVETLANA/AU

Hit List

[First Hit](#) [Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 10 of 12 returned.

☐ 1. Document ID: US 20020168746 A1

L2: Entry 1 of 12

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020168746

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020168746 A1

TITLE: Lipolytic enzymes

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tsutsumi, Noriko	Ichikawa-shi		JP
Sasaki, Yukiko	Ichikawa-shi		JP

US-CL-CURRENT: [435/197](#); [435/252.33](#), [435/254.2](#), [435/320.1](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	---------------------------	-----------------------------	------------------------	---------------------	---------------------------	-----------------------

☐ 2. Document ID: US 20020155572 A1

L2: Entry 2 of 12

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155572

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020155572 A1

TITLE: Isolated human phospholipase proteins, nucleic acid molecules encoding human phospholipase proteins, and uses thereof

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Guegler, Karl	Menlo Park	CA	US
Beasley, Ellen M.	Darnestown	MD	US
Ketchum, Karen A.	Germantown	MD	US
Di Francesco, Valentina	Rockville	MD	US

US-CL-CURRENT: [435/197](#); [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	---------------------------	-----------------------------	------------------------	---------------------	---------------------------	-----------------------

☐ 3. Document ID: US 7052896 B2

L2: Entry 3 of 12

File: USPT

May 30, 2006

US-PAT-NO: 7052896

DOCUMENT-IDENTIFIER: US 7052896 B2

TITLE: Lactobacillus rhamnosus polynucleotides, polypeptides and methods for using them

DATE-ISSUED: May 30, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20020159976 A1

October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Glenn; Matthew	Parnell			NZ
Havukkala; Iikka J.	Parnell			NZ
Bloksberg; Leonard N.	Parnell			NZ
Lubbers; Mark W.	Palmerston North			NZ
Dekker; James	Palmerston North			NZ
Christensson; Anna C.	SE-22100 Lund			SE
Holland; Ross	Palmerston North			NZ
O'Toole; Paul W.	Palmerston North			NZ
Reid; Julian R.	Palmerston North			NZ
Coolbear; Timothy	Palmerston North			NZ

US-CL-CURRENT: [435/197](#); [426/534](#), [435/183](#), [435/195](#), [435/198](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 4. Document ID: US 6645749 B2

L2: Entry 4 of 12

File: USPT

Nov 11, 2003

US-PAT-NO: 6645749

DOCUMENT-IDENTIFIER: US 6645749 B2

TITLE: Lipolytic enzyme

DATE-ISSUED: November 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vind; Jesper	Vaeflose			DK

US-CL-CURRENT: [435/198](#); [435/195](#), [435/196](#), [435/197](#), [435/252.33](#), [435/320.1](#), [536/23.1](#), [536/23.2](#), [536/23.74](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 5. Document ID: US 6495357 B1

L2: Entry 5 of 12

File: USPT

Dec 17, 2002

US-PAT-NO: 6495357

DOCUMENT-IDENTIFIER: US 6495357 B1

TITLE: Lipolytic enzymes

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fuglsang; Claus Crone	Nivaa			DK
Okkels; Jens Sigurd	Frederiksberg			DK
Petersen; Dorte Aaby	Birkerod			DK
Patkar; Shamkant Anant	Lyngby			DK
Thellersen; Marianne	Frederiksberg			DK
Svendsen; Allan	Birkerod			DK
Borch; Kim	Copenhagen			DK
Royer; John C.	Davis	CA		
Kretzschmar; Titus	Vaerloese			DK
Halkier; Torben	Birkerod			DK
Vind; Jesper	Lyngby			DK
Jorgensen; Steen Troels	Alleroed			DK

US-CL-CURRENT: [435/198](#); [435/195](#), [435/196](#), [435/197](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 6. Document ID: US 6183739 B1

L2: Entry 6 of 12

File: USPT

Feb 6, 2001

US-PAT-NO: 6183739

DOCUMENT-IDENTIFIER: US 6183739 B1

TITLE: Phospholipases in animal feed

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beudeker; Robert Franciscus	Den Hoorn			NL
Kies; Arie Karst	Pijnacker			NL

US-CL-CURRENT: [424/94.6](#); [424/442](#), [426/635](#), [435/197](#), [800/298](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 7. Document ID: US 6127137 A

L2: Entry 7 of 12

File: USPT

Oct 3, 2000

US-PAT-NO: 6127137

DOCUMENT-IDENTIFIER: US 6127137 A

TITLE: Acidic phospholipase, production and methods using thereof

DATE-ISSUED: October 3, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hasida; Miyoko	Chiba-ken			JP
Tsutsumi; Noriko	Chiba-ken			JP
Halkier; Torben	Birkerod			DK
Stringer; Mary Ann	Copenhagen			DK

US-CL-CURRENT: 435/18; 435/197, 435/254.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 8. Document ID: US 6099836 A

L2: Entry 8 of 12

File: USPT

Aug 8, 2000

US-PAT-NO: 6099836

DOCUMENT-IDENTIFIER: US 6099836 A

**** See image for Certificate of Correction ****

TITLE: Platelet-activating factor acetylhydrolase (PAF-AH) therapeutic uses

DATE-ISSUED: August 8, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cousens; Lawrence S.	Oakland	CA		
Eberhardt; Christine D.	Auburn	WA		
Gray; Patrick	Seattle	WA		
Trong; Hai Le	Edmonds	WA		
Tjoelker; Larry W.	Kirkland	WA		
Wilder; Cheryl L.	Seattle	WA		

US-CL-CURRENT: 424/94.6; 435/195, 435/196, 435/197

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 9. Document ID: US 6017530 A

L2: Entry 9 of 12

File: USPT

Jan 25, 2000

US-PAT-NO: 6017530
DOCUMENT-IDENTIFIER: US 6017530 A

TITLE: Phospholipases in animal feed

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beudeker; Robert Franciscus	Den Hoorn			NL
Kies; Arie Karst	Pijnacker			NL

US-CL-CURRENT: 424/94.6; 424/442, 435/197

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 10. Document ID: US 6001626 A

L2: Entry 10 of 12

File: USPT

Dec 14, 1999

US-PAT-NO: 6001626
DOCUMENT-IDENTIFIER: US 6001626 A
** See image for Certificate of Correction **

TITLE: Thermophilic phospholipases and method for production thereof

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kosugi; Yoshitsugu	Ibaraki			JP
Higuchi; Katsuhiko	Ibaraki			JP
Ishikawa; Kazuhiko	Ibaraki			JP
Matsui; Ikuo	Ibaraki			JP
Yong-Goe; Joh	Pusan			KR

US-CL-CURRENT: 435/197

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L1 and (435/197).ccls.

12

Display Format:

Change Format

Hit List

[First Hit](#) [Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

Search Results - Record(s) 11 through 12 of 12 returned.

☐ 11. Document ID: US 5656431 A

L2: Entry 11 of 12

File: USPT

Aug 12, 1997

US-PAT-NO: 5656431

DOCUMENT-IDENTIFIER: US 5656431 A

**** See image for Certificate of Correction ****

TITLE: Platelet-activating factor acetylhydrolase

DATE-ISSUED: August 12, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cousens; Lawrence S.	Oakland	CA		
Eberhardt; Christine D.	Auburn	WA		
Gray; Patrick	Seattle	WA		
Trong; Hai Le	Edmonds	WA		
Tjoelker; Larry W.	Kirkland	WA		
Wilder; Cheryl L.	Seattle	WA		

US-CL-CURRENT: [435/6](#); [435/197](#), [435/198](#), [536/23.1](#), [536/23.2](#), [536/23.5](#), [536/24.31](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	---------------------------	-----------------------------	------------------------	----------------------	---------------------------	-----------------------

☐ 12. Document ID: US 5593877 A

L2: Entry 12 of 12

File: USPT

Jan 14, 1997

US-PAT-NO: 5593877

DOCUMENT-IDENTIFIER: US 5593877 A

TITLE: Nucleic acid and recombinant production of vespid venom hyaluronidase

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Te P.	New York	NY		

US-CL-CURRENT: [435/197](#); [435/320.1](#), [435/69.1](#), [536/23.2](#), [536/23.5](#), [536/24.31](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	---------------------------	-----------------------------	------------------------	----------------------	---------------------------	-----------------------

WEST Search History

Hide Items

Restore

Clear

Cancel

DATE: Monday, November 20, 2006

Hide?	Set Name	Query	Hit Count
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L5	L4 and l3	7
<input type="checkbox"/>	L4	435/196.ccls.	1432
<input type="checkbox"/>	L3	L1 and environmental sample?	47
<input type="checkbox"/>	L2	L1 and 435/197.ccls.	12
<input type="checkbox"/>	L1	phospholipase? and nucleic acid	1319

END OF SEARCH HISTORY